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AIR POLLUTION REPORT
FEDERAL FACILITIES

METROPOLITAN CHICAGO

INTERSTATE AIR QUALITY CONTROL REGION

ROBERT S. RUSSO

FEDERAL FACILITIES BRANCH
DIVISION OF ABATEMENT
NATIONAL AIR POLLUTION CONTROL
ADMINISTRATION

REVISED MARCH, 1970

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The Metropolitan Chicago Interstate Air Quality Control Region was designated on November 20, 1968. It encompasses six counties in Illinois: Cook, Du Page, Kane, Lake, McHenry and Will; and two counties in Indiana: Lake and Porter. A map of the region is shown. This report presents the status of the Federal facilities in the Region regarding implementation of the objectives prescribed by the Clean Air Act and Executive Order 11507. A quantitative evaluation of emissions, data on fuel burning and refuse disposal, and abatement plans are included. The data in this report reflect that most recently available.

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*Regional planning,
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Indiana,
Counties,
Fuels,
Combustion products,
Refuse disposal,
Sulfur oxides,
Nitrogen oxides,
Carbon monoxide,
Particles,
Hydrocarbons,
Rates(Per time).

17b. Identifiers/Open-Ended Terms

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Violations,
*Chicago(Illinois),
Air quality control regions,
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"AIR POLLUTION REPORT ON FEDERAL FACILITIES IN THE METROPOLITAN CHICAGO INTERSTATE AIR QUALITY CONTROL REGION", March, 1970.

This inventory was prepared consistent with the report entitled "Consultation on the Metropolitan Chicago Interstate Air Quality Control Region", September 1968, and the geographical designation of December 4, 1968. On March 31, 1971, in line with the concept of including the entire United States in these geographical units called Air Quality Control Regions, this Region was redesignated and its boundaries expanded by the Environmental Protection Agency. Hence, the data presented herein do not reflect Federal facility emission data for the counties of: Grundy and Kendall in Illinois, which have been added to the region.

Federal Sources Branch
Division of Compliance
Environmental Protection Agency

November 2, 1971

NARRATIVE

The Metropolitan Chicago Interstate Air Quality Control Region was designated on November 20, 1968. It encompasses six counties in Illinois: Cook, Du Page, Kane, Lake, McHenry and Will; and two counties in Indiana: Lake and Porter. A map of the region is shown in Figure 1.

This report presents the status of the Federal facilities in the Region regarding implementation of the objectives prescribed by the Clean Air Act and Executive Order 11507. A quantitative evaluation of emissions, data on fuel burning and refuse disposal, and abatement plans are included. The data in this report reflect that most recently available.

The 102 facilities in the region are listed in Table I along with data on fuel burning and refuse disposal for each. A summary by county of the fuel use is given in Table II. The total fuel use for Federal facilities in the region is: 220 thousand tons coal, 5.7 million gallons residual oil, 10.9 million gallons distillate oil and 8400 million cubic feet natural gas.

Pollutant emissions are summarized by county in Table III. The facilities emit a total of 13000 tons of sulfur oxides (SOX), 17000 tons of nitrogen oxides (NOX), 220 tons of carbon monoxides (CO), 14000 tons of particulates (PART), and 60 tons of hydrocarbons (HC) per year.

As compared to all other sources in the region, Federal facilities emit approximately 2.4% of all particulates, 0.7% of all SOX and a negligible percent of all CO. However, in Will County, due to Joliet Army Ammunition Plant, the Government contributes 41% of all particulates, and 2.1% of all SOX. NOX emissions are also very large but no data for non-Government emissions is available for comparison. Those facilities which emit more than 100 tons of any pollutant per year (point sources) are listed in Table IV, and those facilities which violate the Federal particulate emission limitations (Title 42, Part 76.4, Sections (7) and (8)) are listed in Table V.

Thirty-four facilities, listed in Table VI, reported air pollution problems and proposed abatement measures in the 1967 - 72 five year plans. Of these 13 reported the problem solved - mostly by fuel conversion. The remaining problems, mostly coal burning boilers and single chamber incinerators, have solutions proposed and are awaiting funds. As mentioned, the major Government source is Joliet Army Ammunition Plant. At this plant, explosives, sulfuric acid, nitric acid and sodium sulfite are produced and large quantities of particulates, NOX, and SOX are emitted. Abatement measures to control these emissions are awaiting funds. Waste munitions are disposed of by open burning, currently the only safe method.

Estimates of pollutant reductions due to implementation of the abatement measures proposed in the five year plan (but not yet accomplished) are given in Table VII.

FIGURE 1. METROPOLITAN CHICAGO INTERSTATE AIR QUALITY CONTROL REGION

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS							
COOK							
ARLINGTON HT							
ARMY CTR	0.	0.	0.	278117.	143648.	0.	
NIKE SITEC80	0.	0.	0.	137854.	350613.	0.	
ILLINOIS							
COOK							
CHICAGO							
CORPS OF ENG	0.	0.	0.	200.	0.	6.	LIFE BOAT ST
CORPS OF ENG	2.	0.	0.	3200.	0.	0.	LOCK AND DAM
PHS CLINIC	0.	3000.	0.	0.	185420.	0.	
NAT BUR STDS	0.	0.	0.	10600.	0.	0.	

TABLE I

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LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
VA WEST SIDE	0.	0.	0.	0.	0.	0.	PURCHASE STM
CANCER HOSP	0.	0.	0.	0.	0.	0.	PURCHASE STM
VA RESH HOSP	0.	7000.	210.	0.	499998.	0.	
USCG CHICAGO	0.	0.	0.	1600.	0.	0.	
USCG CALUMET	0.	0.	2640.	8000.	0.	0.	
PO & CT HSE	0.	0.	1005900.	0.	0.	0.	
PO ENGLEWOOD	0.	0.	2400.	0.	0.	0.	
PO 2302PLSKI	0.	0.	0.	15340.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
PO 1805 MONT	0.	0.	0.	20113.	0.	0.	
PO 2339 CALF	0.	0.	0.	32470.	0.	0.	
PO 2419 WHON	0.	0.	0.	20983.	0.	0.	
PO JEFF STA	0.	0.	1840.	0.	0.	0.	FUEL EST(1)
CUSTOM HOUSE	0.	0.	0.	0.	0.	0.	PURCHASE STM
RR BLGD	0.	0.	0.	350000.	0.	0.	FUEL EST(2)
RAND BLGD	0.	0.	0.	600000.	0.	0.	FUEL EST(2)
GSA CENTER	0.	0.	0.	1850000.	0.	0.	FUEL EST(2)

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
FSS DEPOT	0.	0.	0.	0.	0.	0.	PURCHASE STM
NAT GUARD	0.	0.	5200.	0.	150000.	6830.	OHARE APRT
USARC OHARE	0.	0.	2994.	0.	0.	0.	
USARC	0.	0.	0.	10000.	0.	0.	BRYN MAWR AV
USARC SO EX	0.	0.	0.	0.	44000.	0.	
USARC CORNEL	0.	0.	3620.	0.	0.	0.	
USARC KEDZIE	0.	0.	0.	0.	33000.	0.	
USARC GIBSON	0.	0.	0.	0.	30000.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
USARC MOSCAL	0.	0.	0.	0.	41000.	0.	
USARC	0.	0.	0.	0.	22000.	0.	
USARC CH1	0.	0.	0.	50000.	0.	0.	
USAFRC	0.	0.	0.	0.	84.	0.	
NIKE SITE 51	0.	0.	0.	0.	0.	0.	NO FUEL BURN
NIKE SITE 44	0.	0.	0.	0.	0.	0.	NO FUEL BURN
NIKE GARY 41	0.	0.	0.	58950.	0.	0.	
ILLINOIS							
COOK							
CRETE							
PO CRETE	0.	0.	3816.	0.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS							
COOK							
EAST CHICAGO							
PO E CHIC AV	0.	0.	2740.	0.	0.	0.	FUEL EST(1)
ILLINOIS							
COOK							
FOREST PARK							
NAV ORD ST	0.	2000.	7091.	0.	2700.	0.	
ILLINOIS							
COOK							
GLENVIEW							
NAVAL AIR ST	0.	0.	232500.	0.	0.	0.	
ILLINOIS							
COOK							
HARVEY							
USARC HARVEY	0.	0.	2622.	0.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS COOK HINES							
VA HOSPITAL	0.	66272.	4305000.	0.	0.	0.	
ILLINOIS COOK HOMEWOOD							
NIKE SITE 50	0.	0.	0.	41652.	0.	0.	
ILLINOIS COOK MAYWOOD							
PO 415 5TH A	0.	350.	3600.	0.	0.	0.	
ILLINOIS COOK NORTHBROOK							
USCG RADIO S	0.	0.	0.	5324.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS COOK NORTHFIELD							
NIKE 93	0.	0.	0.	21040.	0.	0.	
ILLINOIS COOK NO RIVERSIDE							
ARMY NAT GD	0.	0.	0.	0.	60000.	0.	
ILLINOIS COOK OAK PARK							
ARMY RES CTR	0.	0.	0.	0.	24000.	0.	
ILLINOIS COOK ORLANDO PARK							
NIKE MNT	0.	0.	0.	3200.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS COOK PARK RIDGE PO	0.	0.	0.	0.	0.	0.	LEASED
ILLINOIS COOK RIVER GROVE PO RIVER GR	0.	0.	2431.	0.	0.	0.	
ILLINOIS COOK ROUND LAKE PO ROUND LK	0.	0.	12760.	0.	0.	0.	
ILLINOIS COOK WILMETTE USCG WILMETT	0.	0.	0.	6000.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS							
COOK							
NO CITY ID							
NIKE SITE 54	0.	0.	0.	0.	0.	0.	NO FUEL BURN
NIKE 03	0.	0.	0.	72990.	0.	0.	NO CITY ID
ILLINOIS							
DU PAGE							
ADDISON							
NIKE SITE 72	0.	0.	0.	42400.	0.	0.	
ILLINOIS							
DU PAGE							
ARGONNE							
AEC LAB	0.	0.	600.	0.	0.	42500.	
ILLINOIS							
DU PAGE							
ELMHURST							
PO 154 PARK	0.	50.	60.	0.	15000.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS							
DU PAGE							
NAPERVILLE							
NIKE SITE 70	0.	0.	0.	0.	0.	0.	NO FUEL BURN
ILLINOIS							
DU PAGE							
NO CITY ID							
NIKE 61	0.	0.	0.	43764.	0.	0.	PHASING OUT
ILLINOIS							
KANE							
AURORA							
FAA CENTER	0.	40.	36000.	0.	0.	0.	
RES TRN CTR	0.	0.	0.	0.	29000.	0.	
USARC AURORA	0.	0.	2589.	0.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS LAKE DOWNEY							
VA HOSP	0.	0.	0.	0.	0.	0.	PURCHASE STM
ILLINOIS LAKE GREAT LAKES							
NAVAL TRN CT	0.	5000.	2460000.	0.	860000.	0.	
ILLINOIS LAKE HIGHLAND PK							
FT SHERIDAN	0.	0.	309000.	407687.	0.	0.	
ILLINOIS LAKE LIBERTYVILLE							
PO 137 CL ST	0.	200.	1250.	0.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
NIKE SITE 92	0.	0.	0.	0.	0.	0.	NO FUEL BURN
ILLINOIS							
LAKE							
WAUKEGAN							
USCG LT STA	0	0.	2000.	0.	0.	0.	
PO 326 N GEN	0.	0.	0.	0.	17916.	0.	
FED OFF BLGD	0.	0.	0.	13700.	0.	0.	FUEL EST(2)
USARC	0.	0.	0.	0.	44000.	0.	
ILLINOIS							
LAKE							
NO CITY ID							
NIKE SITE 84	0.	0.	0.	0.	0.	0.	NO FUEL BURN

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
ILLINOIS WILL JOLIET							
CORPS OF ENG	0.	0.	1626.	0.	0.	0.	SHOPS YARDS
CORPS OF ENG	0.	0.	0.	7200.	0.	0.	LOCK AND DAM
USARC JOLIET	0.	0.	5248.	0.	0.	0.	
ARMY AMMO PL	0.	0.	0.	5800000.	3000000.	173476.	
ILLINOIS WILL LOCKPORT							
CORPS OF ENG	2.	20.	0.	5800.	0.	0.	LOCK AND DAM
ILLINOIS WILL MONEE							
AF NAVIG AID	0.	0.	0.	0.	0.	0.	ELECTRIC HT

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
INDIANA							
LAKE							
CROWN POINT							
PO 128 SE ST	0.	0.	1150.	0.	0.	0.	FUEL EST(1)
INDIANA							
LAKE							
GARY							
NAVY RES TRN	0.	0.	0.	0.	40000.	0.	
NIKE SITE 45	0.	0.	0.	55430.	0.	0.	PHASING OUT
USARC GARY	0.	0.	0.	20000.	0.	0.	
PO 115 E6 AV	0.	0.	5900.	0.	0.	0.	FUEL EST(1)
INDIANA							
LAKE							
HAMMOND							
NIKE SITE 46	0.	0.	0.	45675.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
PO & CTHSE	0.	0.	0.	0.	65675.	0.	FUEL EST(1)
DMS DEPOT INDIANA LAKE HOBART	0.	0.	0.	752000.	0.	0.	FUEL EST(2)
PO 221 MAIN INDIANA LAKE WHITING	0.	0.	990.	0.	0.	0.	FUEL EST(1)
PO 119 ST INDIANA LAKE NO CITY ID	0.	0.	1545.	0.	0.	0.	FUEL EST(1)
USARC E.CHIC	0.	0.	0.	0.	0.	0.	PURCHASE STM

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
USCG HAR LT. INDIANA PORTER MOUNT VERNON	0.	0.	0.	0.	0.	0.	NO FUEL BURN
PO WALNUT ST INDIANA PORTER VALPARAISO	0.	0.	1530.	0.	0.	0.	FUEL EST(1)
PO LINC WAY INDIANA PORTER NO CITY ID	0.	0.	2600.	0.	0.	0.	
NIKE 32	0.	0.	0.	46233.	0.	0.	
NIKE GARY 47	0.	0.	0.	52839.	0.	0.	

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	

(1) FUEL USE ESTIMATE ON BASIS OF 0.15 MCF/SQ. FT. (FLOOR AREA)
(2) FUEL USE ESTIMATE ON BASIS OF 1.00 GAL/SQ. FT (FLOOR AREA)

TABLE II

ANNUAL FUEL USE BY FEDERAL FACILITIES

	COAL (TONS)	RESID OIL (GAL)	DIST OIL (GAL)	GAS (MCF)
ILLINOIS				
COOK	6836.	1586463.	3597633.	5597364.
DU PAGE	42500.	15000.	86164.	660.
KANE	0.	29000.	0.	38589.
LAKE	0.	921916.	421387.	2772250.
WILL	173476.	3000000.	5813000.	6874.
INDIANA				
LAKE	0.	105675.	873105.	9585.
PORTER	0.	0.	99072.	4130.
TOTAL	222812.	5658054.	10890361.	8429452.

TABLE III

FEDERAL CONTRIBUTION TO AIR POLLUTION
(TONS/YEAR)

	SOX	NOX	CO	PART	HC
ILLINOIS					
COOK	680.	1200.	100.	130.	10.
DU PAGE	2000.	430.	60.	220.	20.
KANE	2.	2.	1.	1.	1.
LAKE	110.	560.	10.	30.	2.
WILL*	10000.	15000.	50.	14000.	30.
	1210.**				
STATE TOTAL	13000.	17000.	220.	14000.	60.
INDIANA					
LAKE	50.	30.	1.	10.	1.
PORTER	4.	1.	1.	1.	1.
STATE TOTAL	50.	30.	2.	10.	2.
AREA TOTAL	13000.	17000.	220.	14000.	60.
	1210.**				

* Emissions due to open burning of explosives at Joliet AAP not included.

** H_2SO_4 mist

TABLE IV

FEDERAL POINT SOURCES
(TONS/YEAR)

	SOX	NOX	CO	PART	HC
ILLINOIS					
COOK					
PO & CT HSE	1.	110.	1.	9.	1.
NAT GUARD	400.	70.	20.	20.	6.
VA HOSPITAL	5.	850.	40.	50.	2.
DU PAGE					
AEC LAB	2000.	430.	60.	220.	20.
LAKE					
NAVAL TRN CT	70.	530.	10.	30.	2.
WILL					
ARMY AMMO PL*	10000. 1210.**	15000.	50.	14000.	30.

NOTE: A POINT SOURCE IS AN INSTALLATION WHICH EMITS OVER 100 TONS/YEAR OF ONE OR MORE OF THE FIVE POLLUTANTS.

* Emissions due to open burning of explosives not included.

** H_2SO_4 mist

TABLE V

COAL-FIRED BOILERS IN VIOLATION OF 42 CFR 76.4

INSTALLATION NAME	BOILER SIZE (MMBTU/HR)	NUMBER	COAL USED (TONS/YEAR)	PART. EMITTED (TONS/YEAR)	PART. ALLOWED (TONS/YEAR)
ARMY AMMO PL	400.0	1.	173476.0	13270.9	727.4

TABLE VI

ABATEMENT PROGRAM FOR FEDERAL PROBLEM AREAS IN THE CHICAGO AIR QUALITY CONTROL REGION

A. Problem
B. Abatement measures proposed in the five year plan*
C. Abatement measures needed but not reported in the plan
D. Abatement measures accomplished or in progress

ILLINOIS

COOK COUNTY

ARLINGTON HEIGHTS

Nike Site C-80
A. #6 oil, 1.5% S
C. need .56% S oil
D. now using #6 oil, 1.0% S

Norad Army Center
A. #6 oil, 2.0% S
B. need .56% S oil
D. now using #6 oil, 1.0% S

CHICAGO

V.A. Research Hospital
A. 1. #6 oil 2.57% S
   2. single chamber incinerator
C. 1. need .56% S oil
   2. upgrade incinerator to meet Federal specifications
D. 1. now using #6 oil, 1.0% S

P.H.S. Outpatient Clinic
A. #6 oil, 1.5% S
D. now using #6 oil, .6% S

Post Office, Jefferson Station
A. coal fired boilers
D. converted to gas firing

Post Office and Courthouse
A. coal, 2.0% S, 7.5% ash
D. converted to gas

* 1967-72 plan per Executive Order 11282 superseded by Executive Order 11507

CHICAGO (CONT'D)

Post Office, Englewood Station
A. coal, 1.5% S, 7.5% ash
D. converted to gas

A.F. Reserve Unit, O'Hare Airport
A. coal 3.0% S, 10.0% ash
B. conversion to gas
D. low sulfur coal in being procured and accelerated operational maintenance is being provided

U.S.A.R.C., Cornell
D. converted from oil to gas

U.S.A.R.C., Gibson
A. #5 oil, 1.0% S
B. use lower sulfur oil
D. using 1.0% S oil since 11/67

U.S.A.R.C., Kedzie
A. #5 oil, 1.0% S
B. use lower sulfur oil
D. using 1.0% S oil since 11/67

U.S.A.R.C., Moskala
A. #5 oil, 1.0% S
B. use lower sulfur oil
D. using 1.0% S oil since 11/67

U.S.A.R.C., Chicago Center
A. #6 oil, 1.5% S
C. need .56% S oil
D. now using #6 oil, 1.0% S

CRETE

Post Office
A. open trash burner
D. all trash now hauled

FOREST PARK

Armed Forces Reserve Center
A. #6 oil, 1.8% S
C. need .56% S oil
D. now using 1.0% S oil

FOREST PARK (CONT'D)

Naval Ordnance Station
A. 1. open trash burning
2. single chamber incinerator
3. #6 oil, 1.0% S
D. 1,2 contract let for trash hauling

GLENVIEW

Naval Air Station
A. 1. #6 oil, 1.0% S
2. fire fighting training airplane
B. 2. install enclosure and smoke after burner
D. 1. converted to gas

HINES

V.A. Hospital
A. coal, 3,3% S, 8.0% ash
D. converted to gas

MAYWOOD

Post Office
A. #6 oil, 1.5% S
D. converted to gas

OAK PARK

Post Office
A. #6 oil, 1.5% S
D. converted to gas

U.S.A.R.C.
A. #6 oil, 1.5% S
C. need .56% S oil
D. now using 1.0% S oil

ORLANDO PARK

Nike Site
A. #6 oil, 1.6% S
C. need .56% S oil
D. now using #6 oil, 1.0% S

PARK RIDGE

Post Office
A. coal fired boilers
D. a new leased facility has been constructed and is using gas

DU PAGE COUNTY

ELMHURST

Post Office
A. #6 oil, 1.5% S
B. convert to gas
D. now using approx 4% gas

ARGONNE

A.E.C. Argonne National Lab
A. coal, 2.5% S, 6.0% ash
D. received funds for conversion to gas

KANE COUNTY

AURORA

Naval and Marine Corps Reserve Training Center
A. #6 oil, 1.0% S
C. need .56% S oil

LAKE COUNTY

GREAT LAKES

Naval Training Center, Public Works Center
A. 1. coal, 3.5% S, 10.5% ash
   2. #6 oil, 1.0% S
   3. fire fighting school
B. 3. install enclosure for fire fighting school
D. 1, 2. converted all boilers to 95% gas, 5% #6 oil

HIGHLAND PARK

Fort Sheridan
A. 1. coal, 3.4% S, 7.0% ash
   2. #6 oil, 1.6% S, #2 oil 1.0% S
   3. gasoline storage tank
B. 3. install submerged filler
D. 1. converted coal boilers to gas
   2. now using all 1.0% S oils

LIBERTYVILLE

Post Office
A. coal, 1.0% S, 11.0% ash
D. converted to gas

LAKE COUNTY (CONT'D)

WAUKEGAN

U.S.A.R.C., South Exchange
A. #5 oil, 1.0% S
B. convert to lower sulfur oil

ROUND LAKE

Post Office
A. trash burner
D. contract let for trash removal

WILL COUNTY

JOLIET

Joliet Army Ammunition Plant
A. 1. coal, 2.5% S,9.1% ash
2. open burning, general refuse
3. sulfuric acid concentrators
4. ammonia oxidation plants
5. nitric acid concentrators
6. oleum production units
7. sellite producing units
8. TNT recovery buildings
9. tetryl recovery building
10. "red water" incinerators
11. vents of acid tanks
12. oil-fired heating plants
13. open burning, explosives and contaminated waste
B. 4. install catalytic combustion chambers
3,6,7. install mist eliminators
5. none
8,9. install fume scrubbing systems
11. none
12. change to lower sulfur content oil
13. no alternate measures currently available for disposal of explosives or contaminated waste
D. 1. conversion in progress, coal now 2.0% S, #6 oil now 1.0% S
2. sanitary landfill replaced open burning of refuse
3,4,6,7,8,9. preliminary engineering studies completed
10. scrubbers installed

INDIANA

LAKE COUNTY

GARY

Naval and Marine Corps Reserve Training Center
A. #6 oil, 1.0% S
C. need .56% S oil

PORTER COUNTY

VALPARAISO

Post Office
A. coal 5.0% S, 12% ash
D. converted to gas

TABLE VII

POLLUTANT REDUCTION GOALS
(TONS/YEAR)

	SOX	NOX	CO	PART	HC
ILLINOIS					
COOK	440.	680.	10.	68.	3.
DU PAGE	2000.	4300.	64.	260.	21.
KANE	neg.**	neg.	neg.	neg.	neg.
LAKE	0.	0.	0.	0.	0.
WILL	2800.*	12000.	neg.	560.	neg.
STATE TOTAL	5200.	17000.	74.	890.	24.
INDIANA					
LAKE	1.	neg.	neg.	neg.	neg.
PORTER	0.	0.	0.	0.	0.
STATE TOTAL	1.	neg.	neg.	neg.	neg.
AREA TOTAL	5200.	17000.	74.	890.	24.

NOTE: THESE REDUCTIONS WILL RESULT FROM ABATEMENT MEASURES PROPOSED, BUT NOT YET ACCOMPLISHED, IN THE FIVE-YEAR PLAN.

*plus 1100 tons/yr H_2SO_4 mist

** neg. - negligible

REFERENCES AND NOTES

1. Duprey, R.L., Compilation of Air Pollutant Emission Factors, Public Health Service Publication No. 999-AP-42, 1968.

   All calculated emissions are based on these factors.

2. Report for Consultation on the Metropolitan Chicago Interstate Air Quality Control Region, Public Health Service, September, 1968.

   Data on emissions from all sources used to calculate per cent government contribution were obtained from this report.

3. Clean Air Act, as amended (42 U.S.C. 1857 - 1857L) Sec 107 Sec 111. Nov. 21, 1967.

4. Executive Order 11507, Prevention, Control, and Abatement of Air and Water Pollution of Federal Facilities, February 4, 1970

5. Title 42 - Public Health, Chapter I, Subchapter F, Part 76, June 2, 1966.

6. Bureau of the Budget Circular A-76, August 6, 1966.